

List of Claims

1. (currently amended) A fuel filter assembly comprising:
a filter assembly housing defining an inlet and an outlet, and including an annular outer surface;
a filter positioned in the filter assembly housing; ~~and~~
a heater element positioned between the annular outer surface and the filter; and
a fuel pump positioned in the filter assembly housing.
2. (original) The fuel filter assembly of claim 1 including an annular outer surface with a cylindrical portion; and
the heater element being positioned adjacent the cylindrical portion.
3. (original) The fuel filter assembly of claim 2 including a water drain valve attached to the filter assembly housing.
4. (original) The fuel filter assembly of claim 3 wherein the heater element is embedded in an inner wall of the filter assembly housing.
5. (original) The fuel filter assembly of claim 3 wherein the heater element is a portion of a thin film heater; and
the thin film heater being at least one of attached to an inner wall of the filter assembly housing and embedded in the inner wall of the filter assembly housing.
6. (original) The fuel filter assembly of claim 1 wherein the heater element is embedded in an inner wall of the filter assembly housing.

7. (original) The fuel filter assembly of claim 1 wherein the heater element is a portion of a thin film heater; and

the thin film heater is attached to an inner wall of the filter assembly housing.

8. (original) The fuel filter assembly of claim 1 wherein the heater element is a portion of a thin film heater; and

the thin film heater is embedded in an inner wall of the filter assembly housing.

9. (currently amended) An engine comprising:

an engine housing; ~~and~~

a fuel system attached to the engine housing and including a fuel filter assembly with ~~a~~ an electrical heater element positioned between a filter and an annular outer surface of a filter assembly housing; and

an electronic control module in control communication with the electrical heater element.

10. (original) The engine of claim 9 wherein the heater element being embedded in an inner wall of the filter assembly housing.

11. (original) The engine of claim 9 wherein the annular outer surface includes a cylindrical portion; and

the heater element being positioned adjacent the cylindrical portion.

12. (original) The engine of claim 11 wherein the fuel filter assembly includes a water drain valve attached to the filter assembly housing.

A1
Cont.

13. (original) The engine of claim 12 wherein the heater element is embedded in an inner wall of the filter assembly housing.

14. (currently amended) The engine of claim 12 wherein the heater element is a portion of a thin film heater; ~~and~~
the thin film heater being at least one of attached to an inner wall of the filter assembly housing and embedded in the inner wall of the filter assembly housing;
and
a fuel pump positioned in the filter assembly housing.

15. (original) The engine of claim 9 wherein the heater element is a portion of a thin film heater; and
the thin film heater is attached to an inner wall of the filter assembly housing.

16. (original) The engine of claim 9 wherein the heater element is a portion of a thin film heater; and
the thin film heater is embedded in an inner wall of the filter assembly housing.

17. (currently amended) A method of heating fuel comprising the steps of:
positioning a heater element in a fuel filter assembly between a filter and an annular outer surface of a filter assembly housing;
activating the heater element when fuel temperature is below a predetermined temperature; and

controlling activation and deactivation of the heater element with an electronic control module.

18. (original) The method of claim 17 wherein the step of positioning includes a step of embedding the heater element into the filter assembly housing.

19. (original) The method of claim 17 wherein the step of positioning includes a step of positioning a thin film heater adjacent the filter.

20. (currently amended) The method of claim 19 wherein the step of positioning includes at least one of attaching the thin film heater to an inner wall of the fuel filter assembly and embedding the thin film heater into the filter assembly housing; and

moving fuel through the fuel filter assembly at least in part by operating a pump positioned in the filter assembly housing.